



MAYOR
John W. Minto

CITY COUNCIL
Ronn Hall
Stephen Houlahan
Brian W. Jones
Rob McNelis

March 30, 2018

CITYWIDE CMP LINING AND REHABILITATION PROGRAM CIP 2017-20

ADDENDUM NO. 1

To Prospective Bidder(s):

This Addendum No. 1, 4 pages in total including cover letter forms an essential part of the contract documents by revising the Plans and Specifications with the following:

1A CONTRACT DOCUMENTS

1A-1 The bid opening date and time has been revised to April 19, 2018 at 10:00 a.m. at the Office of the City Clerk, 10601 Magnolia Avenue, Santee, CA 92071.

1B SPECIFICATIONS

1B-1 Polyester resin is permitted for both Section 500-1.4.3.1 "UV Cured Pipe" and 500-1.4.3.2 "Thermosetting Resin Pipe".

1B-2 Spiral wound PVC pipe liners have been approved as a substitution to CIPP pipe liners. Section 500-1.13 of the Standard Specifications for Public Works Construction including the following modifications has been added to the specifications:

500-1.13 Spiral Wound Polyvinyl Chloride (PVC) Pipe Liner

Add the following subsection:

500-1.13.1 General

Add the following:

Pipe liners shall be the Type 1 profile unless otherwise due to the existing pipelines ovality, or to meet the required design loading, a Type 2 profile is required. The Contractor shall inspect the existing pipeline and determine if a Type 2 profile is required during the bid period.

Pipe liners shall be designed as a fully deteriorated pipeline and the resultant liner design and pipe diameter reduction shall not reduce the existing pipelines flow capacity.

In determining the existing pipelines capacity, the following Manning's "n" roughness coefficient shall be used when a minimum pipe flow is not provided by the City in the bid documents.

Corrugated Metal Pipelines:	0.024
RCP or Cast-in Place Concrete Pipe:	0.013

End seals shall be placed providing a neat vertical edge on the inside face of manhole/inlet structure and at a minimum, be placed with a thickness such that 3-inches of end seal material is placed between the host pipe and pipe liner.

500-1.13.2 Material Composition

Add the following:

Annular space grout for Type 2 profiles shall be of sufficient strength to support HS-20 loading above the pipe including pipeline which are located outside of roadways.

500-1.13.8 Annular Space Grouting

Add the following:

Annular space grouting for Type 2 liners shall be structural type grout. The City inspector and/or the Engineer shall be present with the Contractor during field verification of grout penetration. Contractor shall provide 24-hours advance notice to the City prior to grout verification. Any excavation required for verification of storm drain grout penetration shall restore any damaged improvements to their pre-construction condition. This shall include restoring concrete joint to joint and/or 12"x12" square asphalt concrete pavement restoration.

1B-3 The warranty period for pipe lining work has been extended from 1 year to 3 years.

500-1.14 Warranty

Delete the sub section and replace with the following:

The Contractor shall warrant all work for a period of three (3) years after acceptance of the project. A Warranty Bond shall be submitted to the City prior to the acceptance of work in a format approved by the City. The liner manufacturer shall provide signed verification by their representative that the liner was manufactured in accordance with the manufacturer's requirements and to the requirements set forth in the Special Provisions.

1C DRAWINGS

N/A

1D RFI RESPONSES

1D-1 Question:

Will the City permit spiral wound PVC pipe liners per Section 500-1.13 of the

Standard Specifications for Public Works Construction be considered in addition to CIPP liners which are the only liner permitted in this contract?

Answer:

The City has reviewed and will permit spiral wound liners. An addendum will be issued to further address this.

1D-2 Question:

Are WPCP and SWPPP required for lining work? Will there be separate reports required for each work order/location?

Answer:

BMP's are required for this project, however a separate SWPPP prepared by a QSD is not required for this contract since we are not disturbing over an acre of land which would require a SWPPP. Our spec references a SWPPP but it is intended to be a model SWPPP for the contract. A basic plan showing that you will be protecting inlets, downstream areas, and have spill protection, etc. is all that we are requiring and does not have to be site specific for each location.

1D-3 Question:

What kind of testing is required per Section 500-1.4.1?

Answer:

We would only require testing of curing waters if curing was to be completed with heated water and not by steam or UV and the Contractor requested to discharge the cured water downstream through the storm drain in lieu of pumping to a sewer. Testing in this scenario would be to ensure the curing water did not have any compounds that would violate the clean water act.

1D-4 Question:

Will the City accept polyester resin for UV-cured liners? What is the reason for the vinyl ester resin requirement?

Answer:

Polyester resin will be permitted for all liners. The original requirement for vinyl-ester resins is due to polyester resins do not pass the pickle-jar test which was the standard for corrosion resistance but is now being debunked from other types of corrosion testing. I will be issuing an addenda regarding this.

1D-5 Question:

Do TC plans for each work order/location have to be stamped by a registered Civil or Traffic Engineer?

Answer

No. For work on residential streets we will allow the use of the applicable Traffic Control Plans on the Regional Standard Drawings. For work on a major road or collector, those streets will require preparation and sign off by a Civil Engineer or Traffic Engineer. The only streets which are majors or collectors in this contract

are Carlton Oaks Drive and Cuyamaca Street. The regional standards will still have to be placed on our Traffic Control sheets when prepared so it can be reviewed and approved by our Traffic Division.

Receipt of this addendum shall be acknowledged by attaching and/or indicating as such on the Information Required of Bidder to the submitted Bid Documents.

A handwritten signature in blue ink, appearing to read "Steven Miller", with a large, stylized loop at the end.

Steven Miller, P.E.
Senior Civil Engineer